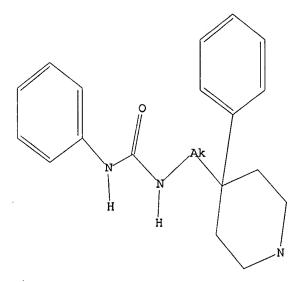
## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1585	546/193.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 14:23
L2	2374	L! and ACAT	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 14:24
L3	1585	1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 14:24
L4	7	L1 and acat	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 14:24
L8	859	546/192.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 14:25
L9	7	L8 and ACAT	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 14:25
S1	2432	514/317.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 09:57

## **EAST Search History**

S2	3188	ACAT	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 10:00
53	31	S1 and S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 10:01
S4	0	"hobssin."	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 10:34
S5	2964	hobbs.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 10:34
S6	18138	guo.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 10:34
S7	30	S5 and S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/27 10:34

Uploading C:\Program Files\Stnexp\Queries\10511319number2.str chain nodes : 7 8 9 10 11 12 13 ring nodes : 1 2 3 4 5 6 14 15 16 17 18 19 20 21 22 23 24 25 chain bonds : 6-7 7-8 7-9 9-10 9-11 10-12 10-13 13-14 14-20 ring bonds : 1-2 1-6 2-3 3-4 4-5 5-6 14-15 14-19 15-16 16-17 17-18 18-19 20-21 20-25 21-22 22-23 23-24 24-25 exact/norm bonds : 6-7 7-9 9-10 9-11 10-13 13-14 14-15 14-19 15-16 16-17 17-18 18-19 exact bonds : 7-8 10-12 14-20 normalized bonds : 1-2 1-6 2-3 3-4 4-5 5-6 20-21 20-25 21-22 22-23 23-24 24-25 isolated ring systems : containing 14 : Match level : 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom L3 STRUCTURE UPLOADED => d 13L3 HAS NO ANSWERS L3 STR



Structure attributes must be viewed using STN Express query preparation.

9 ANSWERS

=> s 13

SAMPLE SEARCH INITIATED 09:31:37 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 879 TO ITERATE

100.0% PROCESSED 879 ITERATIONS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*
BATCH \*\*COMPLETE\*\*

9 SEA SSS SAM L3

PROJECTED ITERATIONS: 15802 TO 19358 PROJECTED ANSWERS: 9 TO 360

=> s 13 full

FULL SEARCH INITIATED 09:31:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 17526 TO ITERATE

100.0% PROCESSED 17526 ITERATIONS 185 ANSWERS

SEARCH TIME: 00.00.01

L5 185 SEA SSS FUL L3

=> d scan

s 15

4 L5

=> d cbib abs hitstr 1-4

ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
-1078248 Document No. 143:360127 Preparation of diagnostic and therapeutic allyl biperidine/piperazine compounds for neuron imaging and treating neurodegenerative disease. Elmaleh, David R.; Songwoon, Choi; Fishman, Alan J. (USA). U.S. Per, Appl. Publ. US 2005222166 Al 20051066, 21 pp. (English). CODEM: USX:XCO. APPLICATION: US 2004-814118 20040331. L6 ANSWER 1 2005:1078248

IJ

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Piperidine or piperazine compds. useful for treating neurodegenerative diseases characterized by the lack of dopamine neurons activity or for imaging the dopamine neurons are characterized by the formulas I-V: X, Y, Zi, Zi, and Zi = H, halo, haloakyi, alkyi, aryi, (Cl-C6) alkoxy, N-alkyi, (C2-C6) acyloxy, N-alkylene, -SH, SK, wherein R is from the same group as R1 and R2, NHZ, NO, CN, OH, CCOR6, C(OlRSR4, NR3R2, or S(O)kR1 wherein k = 1 or Z and R1 to R6 = H or (C1-C6) alkyl: R1 and R2 = H, (Cl-C6) alkyl, hydroxyalkyl or mercaptoalkyl, COSI, CN, (Cl-C6) alkenyl, or (un) substituted 1,2,4-oxadiazol-5-yl; R7 = H, Or Ph; R8 = H, Ph, halophenyl, nitrophenyl, pipercnyl or sulfoxonitrophenyl, W = 0 or S; T = NHZ or Cl-C6 amino aminoalkyl; A = N or C; T = Cl-C6 alkyl or sulfonyl; Q-NHZ or Cl-C6 amino AB

RL: DGN (Diagnostic use); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) 866006-35-1P

Ξ

(drug candidate: repn. of diagnostic and therapeutic alkyl piperidine/piperazine compds. for neuron imaging and treating neurodegenerative disease) 866006-35-1 CAPLUS (APLOS) (APLOS)

S S

L6 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN 2005:636154 Document No. 143:306138 Discovery and SAR of biaryl piperidine MCH1 receptor antagonists through solid-phase encoded combinatorial

Page 1

## Print selected from 10511319.trn

synthesis. Guo, Tao; Shao, Yuefei; Qian, Gang; Rokosz, Laura L.; Stauffer, Tara M.; Hunter, Rachael C.; Babu, Suresh D.; Gu, Huizhong; Hobbs, Doug W. (Pharmacopela Drug Discovery, Inc., Princeton, NJ, 08543-5350, USA). Bacorganic & Medicinal Chemistry Letters, 15(16), 3696-3700 (English) 2005. CODEN: EMCLE8. ISSN: 0960-894X. Publisher: Elsevier B.V..

An encoded combinatorial library based on aryl— and biarylpiperidine scaffolds was designed and synthesized. Screening of this library resulted in the discovery of high-manomolar biarylpiperidine-based MCH1 receptor antagonists. Follow-up optimization using a parallel synthesis provide: potent, single digit nanomolar antagonists.

ЯВ

H

S S

473735-61-4P 473735-71-6P 473735-72-7P

H

N. N.

473735-74-99 473735-75-09 473735-81-89
473735-95-94 473735-75-09 473735-92-19
473735-95-94 473736-70-19 473736-10-19
473736-10-66 473736-70-19 473736-73-10-19
473736-10-66 473736-70-19 473736-73-10-19
473736-10-66 473736-40-29 473736-73-19
473736-10-99 6473736-73-19 64674-40-69 864674-47-59 864674-47-59 864674-47-59 864674-51-1P

RL: CPN (Combinatorial preparation); PAC (Pharmacological activity); BIOL (Biological study); CMBI (Combinatorial study); PREP (Preparation) (discovery and SAR of biarry); periodical study); RN 473735-51-4 CAPLUS

RN 473735-51-4 CAPLUS

CN (11-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4-plipheriality) (CA INDEX NAME)

473735-71-6 CAPLUS
4-Piperidinemethanamine, N-[[(3,5-dichlorophenyl)amino]carbonyl]-1-(methylsulfonyl)-4-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME) S S

473735-72-7 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[1-methyl-4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9C1) (CA INDEX NAME) S S

Print selected from 10511319.trn

473735-74-9 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) S S

473735-75-0 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[1-methyl-4-(4-methylphenyl)-4-piperidinyl]methyl]- (9C1) (CA INDEX NAME) S S

473735-81-8 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,4-difluorophenyl)- (9CI) (CA INDEX NAME) S S

473735-85-2 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3-cyanophenyl)- (9CI) (CA INDEX NAME) Z Z

Print selected from 10511319.trn

473735-87-4 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-(2-methoxyethyl)-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) C R

473735-92-1 CAPLUS
Acetamide, N-[4'-[4-[[[(3,5-dichlorophenyl)amino]carbonyl]amino]methyl]-1-methyl-4-piperidinyl][1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME) S S

RN 473735-95-4 CAPLUS
CN Urea, N-{3,5-dichlorophenyl}-N'-[[4-(3'-formyl[1,1'-biphenyl]-4-yl]-1methyl-4-piperidinyl]methyl}- (9CI) (CA INDEX NAME)

RN 473736-07-i CAPLUS CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473736-08-2 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl}N'-phenyl- (9CI) (CA INDEX NAME)

RN 473736-10-6 CAPLUS

CN Urea, N-[4-(3'-cyano[1,1'-biphenyl]-N'-[(4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

Cl

Cl

Cl

CF

Page 8

RN 473736-20-8 CAPLUS CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9Cl) (CA INDEX NAME)

RN 473736-31-1 CAPLUS CN Urea, N-[[4-(3'-Chloro[1,1'-bipheny1]-4-y1)-1-methyl-4-piperidinyl]methyl)-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-39-9 CAPLUS
CN Urea, N-[{4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(1-methylethyl)-4piperidinyl]methyl]-1'-(3,5-dichlorophenyl)- (9Cl) (CA INDEX NAME)

Page 9

Print selected from 10511319.trn

RN 473736-40-2 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-bipheny1]-4-y1)-1-cyclopenty1-4piperidinyl]methyl]-N'-(3,5-dichloropheny1)- (9CI) (CA INDEX NAME)

)

RN 473736-63-9 CAPLUS
CN Urea, N-[{4-(3'-cyano[1,1'-bipheny1]-4-yl}-1-cyclobuty1-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

473736-66-2 CAPLUS Urea, N-[[1-butyl-4-(3'-cyano[1,1'-biphenyl]-4-yl)-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) Z Z

473736-73-1 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-ethyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) S S

Print selected from 10511319.trn

473736-78-6 CAPLUS Urea, N-[[4-{3'-cyano[1,1'-biphenyl]-4-yl}-1-cyclohexyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) C. R.

864674-47-5 CAPIUS Urea, N-(2-fluorophenyl)-N'-[[1-[(1-methyl-1H-benzimidazol-2-yl)methyl]-4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) Z Z

Page 12

RN 864674-48-6 CAPLUS CN 4-Piperidinemethanamine, N-[[(2-fluorophenyl)amino]carbonyl]-1-(phenylsulfonyl)-4-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

RN 864674-49-7 CAPLUS
CN 1-Piperidinesulfonamide, 4-[[[{(3,5-dichlorophenyl)amino]carbonyl]amino]me
thyl]-N,N-dimethyl-4-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

864674-50-0 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-(1-methylpropyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

S S

RN 864674-51-1 CAPLUS
CN Urea, N-[[4-{3'-cyano[1,1'-biphenyl}-4-yl)-1-methyl-4-piperidinyl]methyl]N'-(2,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

Page 14

L6 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN
2003:87522 Document No. 139:364832 Preparation of piperidine derivatives as
ACAT Inhibitors for treatment of hyperlipenia and arteriosclerosis. Ban,
Hitoshi; Muraoka, Masami (Gunittome Hibarmaceuticals Co., Ltd., Japan). PCT
Int. Appl. WO 2003091216 Al 20031106, 72 pp. DESIGNATED STATES: W. AE,
AG, AL, AM, AT, AU, AZ, BA, BB, BC, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DW, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, LL,
IN, IS, JP, KE, KG, KR, KZ, LC, LK, LB, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MX, MZ, MZ, NI, NO, NZ, OM, PH, PL, PT, NO, RU, SC, SD, SE, SG, SK,
SL, TJ, TM, TT, TZ, TZ, UB, UG, US, UZ, VC, VN, VU, ZA, ZM, ZM, RW;
AT, BE, BE, BJ, CF, CG, CH, CI, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR,
IF, LT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG, TR. (Japanese).
CODEN: PIXXD2. APPLICATION: WO 2003-JPS124 20030422. PRIORITY: JP

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Print selected from 10511319.trn

The title compds. I [wherein m and n = independently 0-4; m + n = 4; L = (un)substituted arytl, R = H, (un)substituted alkyl, alkenyl, alkenyl, alkyl, arytl, or COH; R31-84 = independently H, OH, alkoxy, aralkyloxy, or (un)substituted alkyl, etc.; R35 and R36 = independently H or (un)substituted alkyl, etc.; R35 and R36 = independently H or (un)substituted alkyl, etc.; R35 and R36 = salts thereof are prepared as acyl-CoA:cholesterol acyltransferase (ACAT) inhibitors, and are useful for the treatment of hyperlipemia, arteriosclerosis, etc. (no data). For example, the compound II was prepared as multi-step synthesis. Il showed 63% inhibitory activity against 620593-35-37 620593-35-37 620593-37-7P ВВ

Η

RI: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (Gruy candidate; preparation of piperidine derivs. as ACAT inhibitors for treatment of hyperlipemia and arteriosclerosis) II

Urea, N-[2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-4piperici:yl]methyl]-, monohydrochloride (9CI) (CA INDEX NAME)

C Z

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620593-36-4 CAPLUS
4-Piperidinemethanamine, 1-acetyl-N-{[[2,6-bis(1-methyl)phenyl]amino]carbonyl]-4-(3-methychenyl)- (9CI) (CA INDEX NAME) S S

II

Carbamic acid, [4-[[[[4-(3-methoxyphenyl)-1-phenyl-4piperidinyl]methyl]amino]carbonyl]amino]-3,5-bis(l-methylethyl)phenyl]-,
1,1-dimethylethyl ester (9CI) (CA INDEX NAME) 620593-39-7 CAPLUS Z Z

620593-43-3 CAPLUS cablus acid, [4-[[1[4-[3-[3-4]).3-dihydro-1,3-dioxo-2H-isoindol-2-yl)propoxy]phenyll-1-phenyl-4-piperidinyl]methyl]aminolcarbonyl]aminol-3,5-bis(l-methylethyl)phenyl], 1,1-dimethylethyl ester [9CI] (CA INDEX NAME) C Z

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Print selected from 10511319.trn

620593-41-4P 620593-48-8P 620593-46-6P 620593-41-4P 620593-45-2P 620593-46-6P 620593-47-P 620593-48-8P 620593-49-9P 620593-47-P 620593-48-8P 620593-49-9P 620593-47-P 620593-5-4P 620593-5-4P 620593-5-4P 620593-5-4P 620593-5-4P 620593-5-4P 620593-5-4P 620593-5-4P 620593-5-4P 620593-6-4P 620593-6-4P 620593-6-4P 620593-6-4P 620593-6-4P 620593-6-4P 620593-6-4P 620593-6-4P 620593-6-4P 620593-7-1P 620593-7-1P 620593-7-1P 620593-7-1P 620593-7-1P 620593-7-4P 620593-7-4P 620593-7-4P 620593-7-4P 620593-7-4P 620593-7-4P 620593-8P-6P 620593-8P-7P 620593-8P-7 620593-38-6P 620593-34-2P

(drug candidate; preparation of piperidine derivs. as ACAT inhibitors for tre·ment of hyperlipemia and arteriosclerosis)
620593-3;-2 CAPLUS
Urea. N-[2,6-bis(l-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-(phenylmathyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) (Uses)

Z Z

NH C NH CH5.

RN 620593-37-5 CAPLUS
CN Urea, N-[2,6-bis(1-methylethyl)phenyl]-N'-[{1-ethyl-4-(3-methoxyphenyl)-4piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-38-6 CAPLUS CN Urea, N-{2,6-bis(1-methylethyl)phenyl}-N'-[[4-(3-methoxyphenyl)-1-methyl-4piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-40-0 CAPLUS
CN Urea, N-[4-amino-2,6-bis(l-methylethyl)phenyl]-N'-[{4-(3-methoxyphenyl)-1-phenyl-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

• × HC1

RN 620593-41-1 CAPLUS CN Urea, N-[4-amino-2, 6-bis(1-methylethyl)phenyl]-N'-[[4-(3-hydroxyphenyl)-1-phenyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

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Print selected from 10511319.trn

RN 620593-42-2 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-[3-(3-hydroxypropoxy)phenyl]-1-phenyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-44-4 CAPLUS
CN Propanamide, N-[3-[4-[[[[[4-amino-2,6-bis(1-phenyl-4-piperidinyl]phenyl]amino]carbonyl]amino]methyl]-1-phenyl-4-piperidinyl]phenoxylpropyl]-3,3,3-trifluoro-, hydrochloride (9CI) (CAINDER MANE)

× HCl

RN 620593-45-5 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1,4-bis(3-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NANE)

HCI

620593-46-6 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-(3-pyridinyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME) Z Z

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620593-47-7 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-(4-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) S 2

S S

620593-48-8 CAPLUS Carbamic acid, [4-[[[[[4-(3-hydroxyphenyl)-1-(2-methoxyphenyl)-4-piperidinyl]methyl]amino]carbonyl]amino]-3,5-bis(1-methylethyl)phenyl]-,

Page 21

Print selected from 10511319.trn

1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

S S

620593-49-9 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-butoxyphenyl)-1-(2-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

• x HCl

620593-50-2 CAPLUS
Carbamic acid, [4-[[[[4-(3-methoxyphenyl])-1-[2-(phenylmethoxy)phenyl]-4piperiotinyl]methyl]amino]carbonyl]amino]-3,5-bis(1-methylethyl)phenyl]-,
l,1-dimuthylethyl ester (9CI) (CA INDEX NAME) S S

620593-51-3 CAPLUS

RN

CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-[2-(3-hydroxypropoxy)phenyl]-4-(3-methoxyphenyl)-4-piperidinyl]methyl]-,
hydrochloride (9CI) (CA INDEX NAME)

• x HCl

RN 620593-52-4 CAPLUS
CN Carbanic acid, [4-[[[4-(3-methoxyphenyl)-1-[3-(phenylmethoxy)-2-pyridinyl]-4-piperdinyl]methyl]mino]carbonyl]mino]-3,5-bis(1-methylethyl)phenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 620593-53-5 CAPLUS
CN Urea, N-[4-dam.no-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(3-hydroxy-2-pyridinyl]-4-(3-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI)
(CA INDEX NAME)

Print selected from 10511319.trn

• × HCl

RN 620593-54-6 CAPLUS
CN Urea, N-[2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-phenyl-4piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-55-7 CAPLUS
CN Urea, N-[2,6-bis(1-methylethyl)phenyl]-N'-[[1-butyl-4-(3-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-56-8 CAPLUS
CN Carbanic acid, [4-(1[([4-(3-hydroxyphenyl)-1-phenyl-4piperidinyl]methyl]mino]carbonyl]amino]-3.5-bis(1-methylethyl)phenyl]-,
1,1-dimethylethyl seter (9C1) (CA INDEX MAME)

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RN 620593-57-9 CAPLUS
CN Urea, N-(4-amino-2,6-bis(1-methylethyl)phenyl)-N'-[[4-(3-hydroxyphenyl)-1-(2-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

• x HC1

RN 620593-58-0 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1[2-(phenylmethoxy)phenyl]-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA
INDEX NAME)

Ph- CH2-0

• x HCl

RN 620593-59-1 CAPLUS

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Print selected from 10511319.trn

CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-hydroxyphenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

•× HCl

RN 620593-60-4 CAPLUS
CN Cycloproparecarboxamide, N-[3-[3-[4-[[[[4-amino-2,6-bis(1-methyletiby]]]-1-phenyl-4-piperidinyl]phenyl]amino]carbonyl]amino]methyll-1-phenyl-4-piperidinyl]phenoxylpropyl]-, hydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A

• x HC1

PAGE 2-A

620593-61-5 CAPLUS

CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1(3-methylphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-62-6 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(3-fluorophenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-63-7 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1[3-(trifluoromethyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-64-8 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2,5-dimethoxyphenyl]-4-(3-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA

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Print selected from 10511319.trn

INDEX NAME)

RN 620593-65-9 CAPLUS
CN Urea, N-[4-amino-2,6-bis(l-methylethyl)phenyl]-N'-[[1-(4-fluorophenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 620593-66-0 CAPLUS
CM Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-methoxyphenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]- (9C1) (CA INDEX NAME)

RN 620593-67-1 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-methoxyphenyl)-4[3-(tritluoromethyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAWE)

S S

620593-68-2 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-methoxyphenyl)-4-phenyl-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME)

620593-69-3 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl]phenyl]-N'-[[4-(3-fluorophenyl)-1-(2-methoxyphenyl)-4-piperidinyl]methyl}- (9CI) (CA INDEX NAME) C &

620593-70-6 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-methoxyphenyl)-4-[3-(phenylmethoxy)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) Z Z

Print selected from 10511319.trn

S S

620593-71-7 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1,4-bis(2-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

620593-72-8 CAPLUS
Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-methoxyphenyl)-4-(4-methoxyphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) C N

S S

620593-73-9 CAPLUS Urea, N-[4-amino-2, 6-bis(1-methylethyl)phenyl]-N'-[[1-(5-chloro-2-methoxyphenyl)-4-(3-methoxyphenyl)-4-(9CI) (CA INDEX NAME)

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620593-74-0 CAPLUS
Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-methoxy-5-methylphenyl)-4-(3-methoxyphenyl)-4--(9CI) (CA INDEX NAME) Z Z

620593-75-1 CAPLUS
Urea, N-[4-(3-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-(2-pyridinyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) Z Z

Z Z

620593-76-2 CAPLUS
Carbamic acid, [4-[[[[[1-(2-hydroxyphenyl)-4-(3-methoxyphenyl)-4piperidinyl]methyl]amino]carbonyl]amino]-3,5-bis(1-methylethyl)phenyl]-,
l,1-dimethylethyl ester (9C1) (CA INDEX NAME)

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Print selected from 10511319.trn

S S

620593-77-3 CAPLUS Carbanic acid, [4-[[[[1-(3-hydroxy-2-pyridiny])-4-(3-methoxypheny])-4-piperidiny]]mathy]]amino]carbonyJ]amino]-3,5-bis(1-methylethyl)pheny]]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

C &

620593-78-4 CAPLUS
Urca, II-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-(2-butoxyphenyl)-4-(3-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

• x HCl

620593-79-5 CAPLUS Caes, N-[4-amino-2, 6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-(3-methoxy-2-pyridinyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NA.E) Z Z

× HCl

RN 620593-80-8 CAPLUS
CN Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-(3-propoxy-2-pyridinyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

• x HCl

RN 620593-81-9 CAPLUS
CN Urea, N-(4-amino-2,-6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyhenyl)-1-[3-(1-methylethoxy)-2-pyridinyl]-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

•× HCl

RN 620593-82-0 CAPLUS
CN Urea, N-[4-(3-methoxyphenyl]-N'-[[4-(3-methoxyphenyl)-1[3-(2, 2-trifluorethoxy)-2-pyridinyl]-4-piperidinyl]methyl]-,
hydrochloride (9CI) (CA INDEX NAME)

•x HCl

RN 620593-83-1 CAPLUS
CN Urea, N-[4-amino-2,-6bis(1-methylethyl)phenyl]-N'-[[1-[3-(2-methoxyethoxy)-2-pyridinyl]-4-(3-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

• x HCl

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- Z Z
- 620593-84-2 CAPLUS
  Urea, N-[4-amino-2, 6-bis (1-methylethyl)phenyl]-N'-[[1-[3-(2-ethoxyethoxy)-2-pyridinyl]-4-(3-methoxyphenyl)-4-piperidinyl]methyl]-, hydrochloride (9Cl) (CA INDEX NAME)

- •× HC1
- 620593-85-3 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-[3-(2-phenoxyethoxy)-2-pyridinyl]-4-piperidinyl]methyl]-, hydrochloride [9Cl] (CA INDEX NAME) S S

- x HCl
- S S
- 620593-86-4 CAPLUS
  Urea, N-[-amino-2,-bis(1-methylethyl)phenyl]-N'-[[4-(3-methoxyphenyl)-1-[3-(3-4]3-methoxypropoxy)-2-pyridinyl]-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

• HCl

620593-87-5 CAPLUS
Urea, "1-(4-13-(3Urea, "1-(4-13-(3Urea, "1-(4-13-(3Urea, "1-(4-13-(3Urea, "1-(4-13-(3Urea, "1-(4-13-(3Urea, "1-(2-methoxyphenyl)-4-Piperidinyl]methyl]- (9CI)
(CA INDE: NAME) Z Z

HO- (CH2)3-0

620593-88-6 CAPLUS Urea. N-[4-amino-2,6-bis(1-methylethyl)phenyl]-N'-[[1-[3-(2-hydroxyethoxy)-2-pyridinyl]-4-(3-methoxphenyl)-4-piperidinyl]methyl]-, hydrochloride [9CI] (CA INDEX NAME) Z Z

•x HCl

620593-89-7 CAPLUS Urea, N-[4-amino-2,6-bis(1-methylethyl)phenyl}-N'-[[4-(3-methoxyphenyl)-1-Z 5

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[3-(phenylmethoxy)-2-pyridinyl]-4-piperidinyl]methyl]-, hydrochloride (9CI) (CA INDEX NAME)

• X HCI

620593-99-9P 620594-00-5P RL: RCT (Reactant): SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) II

(intermediate; preparation of piperidine derivs. as ACAT inhibitors for treatment of hyperlipemia and arteriosclerosis)
620593-99-9 CAPLUS
Carbamic acid, [3,5-bis(1-methylethyl)-4-[[[[[1-phenyl-4-[3-[3-[3,3,3-trifluoro-1-oxop.copt.gov]]amino]propoxy]phenyl]-4piperidinyl]methyl]amino]carbonyl]amino]phenyl]-4, 1,1-dimethylethyl ester
[9C1] (CA libbx: WAED S S

Z Z

620594-00-5 CAPLUS
Carbamic acid, [4-[[[[1,4-bis(3-methoxypheny])-4piperidinyl]methyllamino]carbonyl]amino]-3,5-bis(l-methylethyl)phenyl]-,
1,1-dimethylethyl ester [9CI] (CA INDEX NAME)

Print selected from 10511319.trn

L6 ANSWER 4 OF 4 CAPIUS COPYRIGHT 2007 ACS on STN
2002:813930 Document No. 137:32534 Preparation of aryl and biaryl
piperidines as MCH antagonists. Hobbs, Douglas M.; Guo, Tao; Hunter,
Rachael C.; Gu, Huizhong; Babu, Suresh D.; Shao, Yucetei (Pharmacopeia,
Inc., USA). PCT Int. Appl. NO 2002083134 Al 20021024, 113 pp. DESIGNATED
STATES: W. Ac, AL, AM, AL, AX, BA, BB, BG, BR, BY, BD, CN, CN, CO, CR, CZ, DE, DK, DM, ZZ, BC, EE, ES, FI, GB, GD, GE, HR, HU, ID,
IL, IN, IS, JP, KG, KE, KZ, IC, IK, IR, LT, LU, V, MA, MD, MG, MK, MY,
MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TN, TT, TZ, UA, UZ, VN, YU, ZA, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM; RW:
AT, EE, EF, BJ, CE, CG, CH, CT, CM, CY, DE, DK, ES, FI, FR, GA, GB, GR,
IE, IT, LU, MC, ML, MS, NE, NL, PT, SE, SN, TD, TG, TR, (English).
CODEN: PIXXOZ. APPLICATION: WO 2002-USI1296 20020410. PRIORITY: US II, IN, 15, JP, KG, KR, MZ, NO, MZ, NO, NZ, PH, PL, TT, TZ, UA, UZ, VN, YU, AT, BE, BF, BJ, CF, CG, IE, IT, UJ, MC, ML, MR, CODEN: PITXNDZ APPLICAN 2001-293523P 20010412.

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m GI}$ 

The title compds. [I; Atl = (un)substituted Ph, pyridyl, pyrimidyl, etc.; Z = R4, COR4, SO2R4, etc.; R2 = H, alkyl, alkyl substituted with cycloalkyl; R3 = H, alkyl, cycloalkyl, etc.; R4 = Ph, phenylalkyl) useful for tretment, prevention or amelioration of one or more of diseases associated with the MR4 receptor, were prepared E.g., a 7-step synthesis of II, starting from 3,4-difluorophenyl isocyanate, which showed Ki of 11-100 mN against MCH, was given. This invention provides also pharmaceutical compons. containing one or more of the compds. I for treatment of eating disorders. AB

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IT 473735-60-3P 473735-61-4P 473735-62-5P
473735-71-6P 473735-73-8P
473735-71-6P 473735-75-0P 473735-73-8P
473735-80-7P 473735-81-8P 473735-79-4P
473735-80-7P 473735-81-8P 473735-89-9P
473735-80-8P 473735-81-8P 473735-89-9P
473735-89-6P 473735-92-1P 473735-99-5P
473735-89-6P 473735-92-1P 473735-99-5P
473735-89-6P 473736-01-8P 473736-01-8P
473736-09-3P 473736-10-4P 473736-01-8P
473736-12-8P 473736-10-2P 473736-11-7P
473736-12-8P 473736-13-9P 473736-11-7P
473736-13-14-4P 473736-11-7P
473736-13-14-4P 473736-12-8P
473736-13-18-4P 473736-13-9P
473736-13-18-4P 473736-13-1P
473

(Uses)
(preparation of aryl and biaryl piperidines as MCH antagonists)
(preparation of aryl and biaryl piperidines as MCH antagonists)
RN 47375-60-3 CAPLUS
CN Urea, N-[(4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(2-methylpropyl)-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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# Print selected from 10511319.trn

RN 473735-61-4 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473735-62-5 CAPLUS
CN Ucea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]N'-(2,4-difluorophenyl)- (9CI) (CA INDEX NAME)

i

RN 473735-71-6 CAPLUS CW 4-Piperidinemethanamine, N-[[(3,5-dichlorophenyl)amino]carbonyl]-1-(methylsulfonyl)-4-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

473735-72-7 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[1-methyl-4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME) Z Z

473735-73-8 CAPLUS Urea, N-[[1-cyclopentyl-4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]-N'-(3,5-dichloropienyl)- (9CI) (CA INDEX NAME) S S

Print selected from 10511319.trn

473735-74-9 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME) C RN

S S

473735-75-0 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[1-methyl-4-(4-methylphenyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

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RN 473735-76-1 CAPLUS
CN Urea, N-(2,5-dichlorophenyl)-N'-[[4-(4-methylphenyl)-4-piperidinyl]methyl)(9CI) (CA INDEX NAME)

RN 473735-77-2 CAPLUS
CN Urea, N-[[4-(3-chlorophenyl)-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473735-78-3 CAPLUS
CN Urea, N-[[1-(cyclopropylmethyl)-4-(4-methylphenyl)-4-piperidinyl]methyl]N'-[3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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Print selected from 10511319.trn

RN 473735-79-4 CAPLUS
CN Urea, N-[[1-cyclopentyl-4-(4-methylphenyl)-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473735-80-7 CAPLUS
CN Urea, N-(3,5-dichlorophenyl)-N'-[[4-(4-methylphenyl)-1-propyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 473735-81-8 CAPLUS CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,4-difluorophenyl)- (9CI) (CA INDEX NAME)

473735-82-9 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[1-methyl-4-[4-(1-oxido-3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) Z Z

473735-83-0 CAPLUS Urea, N-(3,4-difluorophenyl)-N'-[[1-methyl-4-[4-(3-pyridinyl)phenyl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) Z Z

Print selected from 10511319.trn

473735-84-1 CAPLUS
1-Piperidinesulfonamide, 4-(3'-cyano[1,1'-biphenyl]-4-yl)-4-[[[[(3,5-dichlorchhenyl)amino]carbonyl]amino]methyl]-N.N-dimethyl- (9CI) (CA INDEX MARE) S S

473735-85-2 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3-cyanophenyl)- (9CI) (CA INDEX NAME) Z Z

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RN 473735-86-3 CAPLUS
CN Urea, N-[[4-[4-(1,3-benzodioxol-5-yl]phenyl]-1-(2-methoxyethyl)-4piperidinyl]met:yl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473735-87-4 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-bipheny1]-4-y1)-1-(2-methoxyethy1)-4piperidiny1]methy1]-N'-(3,5-dichloropheny1)- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473735-88-5 CAPLUS
CN Urea, W-[[4-(3'-chloro[],1'-biphenyl]-4-yl)-1-(2-methoxyethyl)-4-pipexid:nyl]methyl]-N'-[3,5-dichlorophenyl]- (9C1) (CA INDEX NAME)

RN 473735-89-6 CAPLUS CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(2,4-dichlorophenyl)- (9CI) (CA INDEX NAME)

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RN 473735-92-1 CAPLUS
CN Acetamide, N-[4-[[[[(3,5-dichlorophenyl)amino]carbonyl]amino]methyl]-1methyl-4-piperidinyl][[,1'-biphenyl]-3-yl]- (9Cl) (CA INDEX NAME)

RN 473735-93-2 CAPLUS
CN Urea, N-[[4-[4-(2-benzofuranyl]phenyl]-1-methyl-4-piperidinyl]methyl]-N'(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473735-94-3 CAPLUS CN Urea, N-[[4-(3'-amino[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX MAME)

RN 473735-95-4 CAPLUS
CN Urea, N-(3,5-dichlorophenyl)-N'-[[4-(3'-formyl[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

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473735-96-5 CAPLUS Urea, N-[[4-[4-(1,3-benzodioxol-5-y1)phenyl]-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) S S

473735-97-6 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[4-[4-(6-methoxy-3-pyridinyl)phenyl]-1-methyl-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME) Z Z

Print selected from 10511319.trn

473736-00-4 CAPLUS Urea, N-[4-chloro-2-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) N N

473736-01-5 CAPLUS

Vera, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)]-1-(cyclopropylmethyl)-4-piperidinyl]methyl]-N'-[[4-chloro-2-(trifluoromethyl)phenyl]- (9CI) (CAINDEX NAME) S S

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473736-02-6 CAPLUS Urea, N-[[4-{3'-chloro[1,1'-biphenyl]-4-yl}-1-(cyclopropylmethyl)-4-piperidinyl]methyl]-N'-(3-chloro-4-fluorophenyl)- (9CI) (CA INDEX NAME) C Z

<u>5</u> 473736-03-7 CAPLUS Urea, N-[4-chloro-3-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4-piperidinyl]methyl]- (9CI) INDEX NAME) S S

Print selected from 10511319.trn

473736-04-8 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-[4-chloro-3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME) CN N

473736-05-9 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]-N'-[4-chloro-2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME) S S

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473736-07-1 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) S S

RN 473736-08-2 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]N'-phenyl- (9CI) (CA INDEX NAME)

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Print selected from 10511319.trn

473736-09-3 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,5-difluorophenyl)- (9CI) (CA INDEX NAME) C ZN

473736-10-6 CAPLUS Urea, N-[4-chloro-3-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) C &

473736-11-7 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-[2-chloro-5-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME) C &

RN 473736-12-8 CAPLUS CN Uzea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]-N'-[2-chloro-5-(trifluoromethyl)phenyl]- (9Cl) (CA INDEX NAME)

RN 473736-13-9 CAPLUS CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl]-1-methyl-4-piperidinyl]methyl]- N'-[4-chloro-2-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473736-14-0 CAPLUS
CN Urea, N-(4-chlorc-2-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4-piperidinyl]methyl]- (9CI) (CAINDEX NAME)

RN 473736-15-1 CAPLUS
CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4piperidinyl]methyl]-N'-[4-chloro-3-(triffluoromethyl)phenyl]- (9Cl) (CA
INDEX NAME)

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RN 473736-16-2 CAPLUS CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl}-1-methyl-4-piperidinyl]methyl]-N'-phenyl- (9CI) (CA INDEX NAME)

RN 473736-17-3 CAPLUS
CN Urea, N-[2-chloro-5-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

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# Print selected from 10511319.trn

RN 473736-18-4 CAPLUS CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl]-1-propyl-4-piperidinyl]methyl]-N'-[4-chloro-3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

-Pr C1

473736-19-5 CAPLUS Urea, N-(3-chloro-4-fluorophenyl)-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1propyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

C ZN

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RN 473736-20-8 CAPLUS
CN Urea, N-[[4-{3'-cyano[1,1'-bipheny1]-4-y1}-1-propy1-4-piperidiny1]methyl}N'-(3,5-dichloropheny1)- (9CI) (CA INDEX NAME)

RN 473736-21-9 CAPLUS
CN Urea, N-[4-chloro-2-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 473736-22-0 CAPLUS
CN Urea, N-[2-chloro-5-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-blphenyl]-4-yl)-1-(cyclopropylmethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473736-23-1 CAPLUS
CN Urea, N-[2-chloro-5-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-N'-[[4-(3'-cyano[1,1'-cyano[1,

E E E

RN 473736-24-2 CAPLUS
CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9Cl) (CA INDEX NAME)

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473736-25-3 CAPLUS Urea, N-[4-chloro-3-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-l-propyl-4-piperidinyl]methyl}- (9CI) (CA INDEX NAME) S S

473736-27-5 CAPLUS
Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-(cyclopropylmethyl)-4piperidinyl]methyl]-N'-[2-chloro-5-(trifluoromethyl)phenyl]- (9CI) (CA
INDEX NAME) S S

Print selected from 10511319.trn

473736-28-6 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) C. R.

473736-31-1 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-methyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) CN N

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RN 473736-32-2 CAPLUS
CN Urea, N-[{4-(3'-chloro[1,1'-biphenyl]-4-yl}-1-cyclopentyl-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-33-3 CAPLUS
CN Urea, N-(3,5-dichlorophenyl)-N'-[[4-[4-(1H-indol-5-yl)phenyl]-1-methyl-4piperidinyl]methyl]- (9Cl) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473736-34-4 CAPLUS
CN Acetanide, N-[4-[[[[(3,5-dichlorophenyl)amino]carbonyl]amino]methyl]-1(1-methylethyl)-4-piperidinyl][[1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME)

S S

473736-35-5 CAPLUS Urea, N-[{4-(3'-acetyl[1,1'-biphenyl]-4-yl)-1-(1-methylethyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9Cl) (CA INDEX NAME)

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RN 473736-36-6 CAPLUS
CN Urea, N-[[4-[4-[4-(1,3-benzodioxol-5-yl]phenyl]-1-cyclopentyl-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-37-7 CAPLUS
CN Urea, N-[[4-[4-[4-(1,3-benzodioxol-5-y1)pheny1]-1-(1-methylethyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473736-38-8 CAPLUS
CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-(1-methylethyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-39-9 CAPLUS
CN Urea, N-[{4-(3'-cyano[1,1'-biphenyl]-4-yl}-1-(1-methylethyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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RN 473736-40-2 CAPLUS CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-cyclopentyl-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9C1) (CA INDEX NAME)

RN 473736-44-6 CAPLUS
CN Urea, N-[{4-(3'-cyano{1,1'-biphenyl}-4-yl}-1-(2-methoxyethyl)-4piperidinyl}methyl}-N'-[3-fluoro-5-(trifluoromethyl)phenyl]- (9CI) (CA
INDEX NAME)

Print selected from 10511319.trn

RN 473736-45-7 CAPLUS
CII Urea, N-(3-chloro-4-fluorophenyl)-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(2-methoxyethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

RN 473736-46-8 CAPLUS
CN Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-(2-methoxyethyl)-4piperidinyl]methyl]-N'-(3,4-difluorophenyl)- (9CI) (CA INDEX NAME)

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473736-47-9 CAPLUS Urea, N-1,3-benzodioxol-5-yl-N'-[{4-(3'-cyano[1,1'-biphenyl]-4-yl)-l-(2-methoxyethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) C N

473736-48-0 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[4-[3'-(hydroxymethyl)[1,1'-biphenyl]-4-yl]-1-(2-methoxyethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) CS SS

Print selected from 10511319.trn

473736-49-1 CAPLUS Urea, N-[4-chlorco-3-(trifluoromethyl)phenyl]-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(2-methoxyethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) C. Z.

473736-50-4 CAPLUS Urea, N-(3-chloro-4-methoxyphenyl)-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(2-methoxyethyl)-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME) C Z

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RN 473736-51-5 CAPLUS CN Urea, N-[[4-(3'-cyanol],1'-biphenyl]-4-yl]-1-(cyclopropylmethyl)-4piperidinyl]methyl]-H'-(3,5-difluorophenyl)- (9Cl) (CA INDEX NAME)

RN 473736-53-7 CAPLUS
CN Urea, N-1,3-benzocioxol-5-yl-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1(cyclopropylmethyl)-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME)

Print selected from 10511319.trn

RN 473736-55-9 CAPLUS
CN Urea, N-([[4-(3'-cyano[1,1'-biphenyl]-4-yl)]-1-(cyclopropylmethyl]-4-piperidinyl]methyl]-N'-[4-fluoro-3-(trifluoromethyl)phenyl]- (9CI) (CAINDEX NAME)

RN 473736-56-0 CAPLUS
CN Urea, N-1,3-benzodioxol-5-yl-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1propyl-4-piperidinyl]methyl]- (9Cl) (CA INDEX NAME)

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473736-57-1 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]-N'-(3,5-difluorophenyl)- (9CI) (CA INDEX NAME)

473736-58-2 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-propyl-4-piperidinyl]methyl]-N'-[4-fluoro-3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME) C Z

Print selected from 10511319.trn

473736-60-6 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(2-methoxyethyl)-4-piperidinyl]methyl]-N'-(3,5-difluorophenyl)- (9CI) (CA INDEX NAME) S 23

473736-61-7 CAPLUS
Acetamide, N-[4'-[1-butyl-4-[[[[(3,5-dichlorophenyl)amino]carbonyl]amino]methyl]-4-piperidinyl][[1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME) C Z

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473736-62-8 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-bipheny1]-4-y1)-1-cyclobuty1-4-piperidiny1]methy1]-N'-(3,5-dichloropheny1)- (9CI) (CA INDEX NAME)

C. K.

473736-63-9 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-cyclobutyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

Print selected from 10511319.trn

473736-64-0 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl]-1-(tetrahydro-2H-pyran-4-yl)-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) C Z

473736-65-1 CAPLUS
Acetamide, N-[4-[[[[(3,5-dichlorophenyl)amino]carbonyl]amino]methyl]-1(tetrahyoko-2H-pyran-4-yl)-4-piperidinyl][[1,1'-biphenyl]-3-yl]- (9CI) (CA
INDEX NAME) S S

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RN 473736-66-2 CAPLUS
CN Urea, N-[[1-buty!-4-(3'-cyano[1,1'-biphenyl]-4-yl]-4-piperidinyl]methyl]N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

RN 473736-67-3 CAPLUS
CN Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl)-1-(2-methylpropyl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9Cl) (CA INDEX NAME)

Print selected from 10511319.trn

i-Bu C1

473736-68-4 CAPLUS Urea, N-[[1-buty1-4-(3'-chloro[1,1'-biphenyl]-4-yl}-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

S S

RN 473736-69-5 CAPLUS CN Urea, N-[[4-{3'-chloro[1,1'-biphenyl]-4-yl}-1-(tetrahydro-2H-pyran-4-yl)-4piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME)

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473736-71-9 CAPLUS Urea, N-(3-chloro-4-fluorophenyl)-N'-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-(3,3,3-trifluoropropyl)-4-piperidinyl]methyl}- (9CI) (CA INDEX NAME) S S

473736-72-0 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-bipheny1]-4-y1)-1-(3,3,3-trifluoropropy1)-4-piperidiny1]methy1]-N'-(3,5-dichloropheny1)- (9CI) (CA INDEX NAME) S S

Print selected from 10511319.trn

473736-73-1 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-ethyl-4-piperidinyl]methyl]-N'-(3,5-uichlorophenyl)- (9CI) (CA INDEX NAME) C Z

C Z

473736-74-2 CAPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl}-1-cyclohexyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9Cl) (CA INDEX NAME)

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473736-75-3 CRPLUS Urea, N-[[4-(3'-chloro[1,1'-biphenyl]-4-yl]-1-ethyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9CI) (CA INDEX NAME) C R

473736-76-4 CAPLUS
Acetamide, N-[4'-[1-cyclohexyl-4-[[[[(3,5-dichlorophenyl)amino]carbonyl]amino]methyl]-4-piperidinyl][1,1'-biphenyl]-3-yl]- (9CI) (CA INDEX NAME) S S

Print selected from 10511319.trn

473736-77-5 CAPLUS Urea, N-(3,5-dichlorophenyl)-N'-[[1-ethyl-4-[3'-(trifluoromethoxy)[1,1'-biphenyl]-4-yl]-4-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

C RN

473736-78-6 CAPLUS Urea, N-[[4-(3'-cyano[1,1'-biphenyl]-4-yl)-1-cyclohexyl-4-piperidinyl]methyl]-N'-(3,5-dichlorophenyl)- (9Cl) (CA INDEX NAME)

C & N

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IT 473736-95-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(Reactant or of reagent)

(preparation of rayl and biaryl piperidines as MCH antagonists)

RN 473736-95-7 CAPLUS

CN Urea, N-(2,4-difluorophenyl)-N'-[(4-(4-iodophenyl)-1-methyl-4-piperidinyl)methyl] (CA INDEX NAME)

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